

**COVER
TABLE OF CONTENTS**

1. INTRODUCTION

Project Description
Purpose of the Manual
Project Organisation

2. AIR QUALITY

Introduction
Air Quality Parameters
Monitoring Requirement & Equipment
Monitoring Locations
Baseline Monitoring
Impact Monitoring for Construction Air Quality Impact
Impact Monitoring for Operational Air Quality Impact
Compliance Assessment
Event and Action Plan (EAP) for Air Quality
Mitigation Measures

3. NOISE

Introduction
Noise Parameters
Monitoring Equipment
Monitoring Locations
Baseline Monitoring
Impact Monitoring for Construction Noise
Event and Action Plan (EAP) for Construction Noise
Mitigation Measures

4. WATER QUALITY

Introduction
Construction Phase Monitoring
Operational Phase Monitoring in Tolo Harbour
Post Project Monitoring of the Discharge into Victoria Harbour during Operation
Phase

5. WASTE MANAGEMENT

Introduction
Waste Control and Mitigation Measures

6. LANDFILL GAS HAZARD

Landfill Gas Parameters
Monitoring Equipment
Monitoring Locations
Limit Levels and Event and Action Plan (EAP) for Landfill Gas
Mitigation Measures

7. SITE ENVIRONMENTAL AUDIT

Site Inspections
Compliance with Legal and Contractual Requirements
Environmental Complaints

8. REPORTING

General
Electronic Reporting of EM&A Information
Baseline Monitoring Report
Monthly EM&A Reports
Quarterly EM&A Summary Reports
Final EM&A Review Reports
Data Keeping
Interim Notifications of Environmental Quality Limit Exceedances

List of Tables

Table 1.1	Current and new effluent standards upon commissioning
Table 2.1	Air Monitoring Stations during Construction Phase
Table 2.2	Air Monitoring Stations during Operational Phase
Table 2.3	Construction Phase Monitoring Programme (TSP)
Table 2.4	Operational Phase Monitoring Programme (Odour)
Table 2.5	Proposed Action and Limit Levels for Impact Monitoring
Table 2.6	Event/Action Plan for Air Quality Monitoring (Construction Phase)
Table 2.7	Event/Action Plan for Air Quality Monitoring (Operational Phase)
Table 2.8	Practices for Good House Keeping
Table 2.9	Proposed Control Method for Odorous Facilities
Table 3.1	Noise Monitoring Stations during Construction Phase
Table 3.2	Action and Limit Levels for Construction Noise
Table 3.3	Event/Action Plan for Construction Noise
Table 4.1	Proposed Marine Water Quality Monitoring Stations
Table 4.2	Event and Action Plan for Emergency Discharge / Accidental Spillage at Tolo Harbour
Table 6.1	Limit Levels and Action Plan for Landfill Gas

List of Figures

Figure 1.1	General Layout of Tai Po Sewage Treatment Works
Figure 1.2	Project Organization during Construction Phase
Figure 1.3	Project Organization during Operational Phase
Figure 2.1	Locations of Representative Air Sensitive Receivers
Figure 2.2	Proposed Air Quality Monitoring Station for Construction Phase
Figure 2.3	Proposed Air Quality Monitoring Station for Operational Phase
Figure 2.4	Odour Mitigation Measures (Phase 1)
Figure 2.5	Odour Mitigation Measures (Phase 2)
Figure 3.1	Location of Representative Noise Sensitive Receiver
Figure 3.2	Proposed Noise Monitoring Station
Figure 4.1	Key Water and Marine Ecological Sensitive Receivers in Tolo Harbour and Channel
Figure 7.1	Complaint Response Procedures

List of Appendices

Appendix A	Preliminary Construction Programme
Appendix B	Implementation Schedule of Mitigation Measures
Appendix C	Sample Data Sheets for Air, Noise, Water Quality and Landfill Gas Monitoring
Appendix D	Sample Template for the Interim Notification
Appendix E	Post Project Monitoring of Discharge into Victoria Harbour from Tolo Harbour Effluent Export Scheme (THEES)